

Amendments to the Specification

IN THE WRITTEN DESCRIPTION

Please replace the paragraphs beginning at page 7, line 15, of the clean copy of the substitute specification with the following rewritten paragraphs:

Further, a second aspect (2) provides a peptide composition where the peptide chains with the above specific amino acid sequences have any of the following amino acid sequences from (1) to (8):

(1) A-6-2 Val Ile Thr Thr Asp Ser Asp Gly Asn Glu (SEQ ID NO. 1)

5 10

(2) A-6-6 Asn Ile Asn Asp Phe Asp Glu Asp (SEQ ID NO. 2)

5

(3) SfHe Ala Ala Ser Ser Val Ser Ser Ala Ser Ser

5 10

Arg Ser Tyr Asp Tyr Ser Arg Arg Asn Val

15 20

Arg Lys Asn (SEQ ID NO. 3)

(4) SfHA Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala

5 10

His Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala

15 20

Trp Ser Ser Glu Ser Asp Phe Gly Thr (SEQ ID NO.

4)

25

(5) AfH1 Tyr Gly Trp Gly Asp Gly Gly Tyr Gly Ser

5 10

Asp Ser (SEQ ID NO. 5)

(6) AfH5 Asp Glu Tyr Val Asp Asn (SEQ ID NO. 6)

5

(7) AfH6 Val Glu Thr Ile Val Leu Glu Glu Asp Pro

5

10

Tyr Gly His Glu Asp Ile Tyr Glu Glu Asp (SEQ ID
NO. 7)

15

20

(8) AfH7 Asp Asp Gly Phe Val Leu Asp Gly Gly Tyr

5

10

Asp Ser Glu (SEQ ID NO. 8)

Still further, a third aspect (3) provides a peptide excellent for promoting cell growth containing any of the following amino acid sequences from (1) to (8):

(1) A-6-2 Val Ile Thr Thr Asp Ser Asp Gly Asn Glu (SEQ ID
NO. 1)

5

10

(2) A-6-6 Asn Ile Asn Asp Phe Asp Glu Asp (SEQ ID NO. 2)

5

(3) SfHe Ala Ala Ser Ser Val Ser Ser Ala Ser Ser

5

10

Arg Ser Tyr Asp Tyr Ser Arg Arg Asn Val

15

20

Arg Lys Asn (SEQ ID NO. 3)

(4) SfHA Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala

5

10

His Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala

15

20

Trp Ser Ser Glu Ser Asp Phe Gly Thr (SEQ. ID NO. 4)

25

(5) AfH1 Tyr Gly Trp Gly Asp Gly Gly Tyr Gly Ser
5 10

Asp Ser (SEQ. ID NO. 5)

(6) AfH5 Asp Glu Tyr Val Asp Asn (SEQ ID NO. 6)
5

(7) AfH6 Val Glu Thr Ile Val Leu Glu Glu Asp Pro
5 10

Tyr Gly His Glu Asp Ile Tyr Glu Glu Asp (SEQ ID NO. 7)
15 20

(8) AfH7 Asp Asp Gly Phe Val Leu Asp Gly Gly Tyr
5 10

Asp Ser Glu (SEQ ID NO. 8)

Please replace the paragraphs beginning at page 14, line 16, of the clean copy of the substitute specification with the following rewritten paragraphs:

N-terminal portion: I

N-terminal portion (I) is the initial peptide portion and its amino acid sequence is as follows:

Met Arg Val Lys Thr Phe Val Ile Leu Cys Cys Ala Leu Gln
5 10
Tyr Val Ala Tyr Thr Asn Ala Asn Ile Asn Asp Phe Asp Glu
15 20 25
Asp Tyr Phe Gly Ser Asp Val Thr Val Gln Ser Ser Asn Thr
30 35 40

Thr	Asp	Glu	Ile	Ile	Arg	Asp	Ala	Ser	Gly	Ala	Val	Ile	Glu
	45						50					55	
Glu	Gln	Ile	Thr	Thr	Lys	Lys	Met	Gln	Arg	Lys	Asn	Lys	Asn
		60						65				70	
His	Gly	Ile	Leu	Gly	Lys	Asn	Glu	Lys	Met	Ile	Lys	Thr	Phe
			75						80				
Val	Ile	Thr	Thr	Asp	Ser	Asp	Gly	Asn	Glu	Ser	Ile	Val	Glu
85					90					95			
Glu	Asp	Val	Leu	Met	Lys	Thr	Leu	Ser	Asp	Gly	Thr	Val	Ala
	100					105					110		
Gln	Ser	Tyr	Val	Ala	Ala	Asp	Ala	Gly	Ala	Tyr	Ser	Gln	Ser
		115					120					125	
Gly	Pro	Tyr	Val	Ser	Asn	Ser	Gly	Tyr	Ser	Thr	His	Gln	Gly
			130					135					140
Tyr	Thr	Ser	Asp	Phe	Ser	Thr	Ser	Ala	Ala	Val	<u>(SEQ ID NO. 9)</u>		
				145					150				

Crystalline portion: R01, R02,, R12

All of R01, R02, R12 are portions called crystalline portion, and the number of amino acid residues is more than 300 for each crystalline portion. It should be noted, however, that the number of amino acid residues of R12 is 54.

The sum of Gly and Ala in each of the crystalline portions (R01 to R11) exceeds ca. 70%.

Noncrystalline portions: A01, A02,, A11

They are composed of 28 to 32 amino acid residues and are called noncrystalline portion (A).

Their amino acid sequences are as follows:

A01	Gly	Ser	Ser	Gly	Phe	Gly	Pro	Tyr	Val	Ala	Asn	Gly	Gly
					5					10			
	Tyr	Ser	Arg	Ser	Asp	Gly	Tyr	Glu	Tyr	Ala	Trp	Ser	Ser
		15				20					25		
	Asp	Phe	Gly	Thr	<u>(SEQ ID NO. 10)</u>								
				30									

A02 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala His Gly Gly
 5 10
 Tyr Ser Gly Tyr Glu Tyr Ala Trp Ser Ser Glu Ser Asp
 15 20 25
 Phe Gly Thr (SEQ ID NO. 11)

A03 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly
 5 10
 Tyr Ser Gly Tyr Glu Tyr Ala Trp Ser Ser Glu Ser Asp
 15 20 25
 Phe Gly Thr (SEQ ID NO. 12)

A04 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala His Gly Gly
 5 10
 Tyr Ser Gly Tyr Glu Tyr Ala Trp Ser Ser Glu Ser Asp
 15 20 25
 Phe Gly Thr (SEQ ID NO. 13)

A05 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala His Gly Gly
 5 10
 Tyr Ser Gly Tyr Glu Tyr Ala Trp Ser Ser Glu Ser Asp
 15 20 25
 Phe Gly Thr (SEQ ID NO. 14)

A06 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly
 5 10
 Tyr Ser Gly Tyr Glu Tyr Ala Trp Ser Ser Glu Ser Asp
 15 20 25
 Phe Gly Thr (SEQ ID NO. 15)

A07 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly
 5 10
 Tyr Ser Gly Tyr Glu Tyr Ala Trp Ser Ser Glu Ser Asp
 15 20 25
 Phe Gly Thr (SEQ ID NO. 16)

A08 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly
 5 10
 Tyr Ser Gly Tyr Glu Tyr Ala Trp Ser Ser Glu Ser Asp
 15 20 25
 Phe Gly Thr (SEQ ID NO. 17)

A09 Gly Ser Ser Gly Phe Gly Pro Tyr Val Asn Gly Gly Tyr
 5 10
 Ser Gly Tyr Glu Tyr Ala Trp Ser Ser Glu Ser Asp Phe
 15 20 25
 Gly Thr (SEQ ID NO. 18)

A10 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly
 5 10
 Tyr Ser Gly Tyr Glu Tyr Ala Trp Ser Ser Glu Ser Asp
 15 20 25
 Phe Gly Thr (SEQ ID NO. 19)

A11 Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala Asn Gly Gly
 5 10
 Tyr Ser Arg Arg Glu Gly Tyr Glu Tyr Ala Trp Ser Ser
 15 20 25
 Lys Ser Asp Phe Glu Thr (SEQ ID NO. 20)
 30

C-terminal portion: a

The amino acid sequence of the noncrystalline portion on the C-terminal side is as follows:

Ala Ala Ser Ser Val Ser Ser Ala Ser Ser Arg Ser Tyr
 5 10
 Asp Tyr Ser Arg Arg Asn Val Arg Lys Asn Cys Gly Ile
 15 20 25
 Pro Arg Arg Gln Leu Val Val Lys Phe Arg Ala Leu Pro
 30 35
 Cys Val Asn Cys (SEQ ID NO. 21)
 40

Please replace the paragraphs beginning at page 19, line 10, of the clean copy of the substitute specification with the following rewritten paragraphs:

<Amino acid sequence in fibroin L-chain>

Met	Lys	Pro	Ile	Phe	Leu	Val	Leu	Leu	Val	Ala	Thr	Ser	Ala	
				5						10				
Tyr	Ala	Ala	Pro	Ser	Val	Thr	Ile	Asn	Gln	Tyr	Ser	Asp	Asn	
15					20					25				
Glu	Ile	Pro	Arg	Asp	Ile	Asp	Asp	Gly	Lys	Ala	Ser	Ser	Val	
	30					35					40			
Ile	Ser	Arg	Ala	Trp	Asp	Tyr	Val	Asp	Asp	Thr	Asp	Lys	Ser	
	45						50					55		
Ile	Ala	Ile	Leu	Asn	Val	Gln	Glu	Ile	Leu	Lys	Asp	Met	Ala	
		60						65					70	
Ser	Gln	Gly	Asp	Tyr	Ala	Ser	Gln	Ala	Ser	Ser	Val	Ala	Gln	
			75						80					
Thr	Ala	Gly	Ile	Ile	Ala	His	Leu	Ser	Ala	Gly	Ile	Pro	Gly	
85					90						95			
Asp	Ala	Cys	Ala	Ala	Ala	Asn	Val	Ile	Asn	Ser	Tyr	Thr	Asp	
	100					105					110			
Gly	Val	Arg	Ser	Gly	Asn	Phe	Ala	Gly	Phe	Arg	Gln	Ser	Leu	
		115					120					125		
Gly	Pro	Phe	Phe	Gly	His	Val	Gly	Gln	Asn	Leu	Asn	Leu	Ile	
			130					135					140	
Asn	Gln	Leu	Val	Ile	Asn	Pro	Gly	Gln	Leu	Arg	Tyr	Ser	Val	
				145					150					
Gly	Pro	Ala	Leu	Gly	Cys	Ala	Gly	Gly	Gly	Arg	Ile	Tyr	Asp	
155					160						165			
Phe	Glu	Ala	Ala	Trp	Asp	Ala	Ile	Leu	Ala	Ser	Ser	Asp	Ser	
	170					175						180		
Ser	Phe	Leu	Asn	Glu	Glu	Tyr	Cys	Ile	Val	Lys	Arg	Leu	Tyr	
		185					190						195	
Asn	Ser	Arg	Asn	Ser	Gln	Ser	Asn	Asn	Ile	Ala	Ala	Tyr	Ile	

For fibroin of *Antheraea yamamai*, the portion consisting of a repetition of 10 or more alanine residues (A) alone is referred to crystalline portion, and the other portions besides this are referred to noncrystalline portion.

The amino acid sequences of the noncrystalline portions of fibroin from *Antheraea yamamai* excepting the crystalline portions having 10 or more sequential alanine residues are shown below.

From the amino acid compositions, the N-terminal portion and the C-terminal portion are also noncrystalline portions.

<Primary structure of noncrystalline portions of fibroin from *Antheraea yamamai*>

N-terminal portion: initial peptide

{ 00035508.DOC}

	5		10
Tyr Ala Thr Ala Asn Asn Leu His His His Asp Glu Tyr Val			
15	20	25	
Asp Asn His Gly Gln Leu Val Glu Arg Phe Thr Thr Arg Lys			
30	35	40	
His Tyr Glu Arg Asn Ala Ala Thr Arg Pro His Leu Ser Gly			
45	50	55	
Asn Glu Arg Leu Val Glu Thr Ile Val Leu Glu Glu Asp Pro			
60	65	70	
Tyr Gly His Glu Asp Ile Tyr Glu Glu Asp Val Val Ile Asn			
75	80		
Arg Val Pro Gly Ala Ser Ser Ser Ala Ala Ala Ala Ser Ser			
85	90	95	
Ala Ser Ala Gly Ser Gly Gln Thr Ile Ile Val Glu Arg Gln			
100	105	110	
Ala Ser His Gly Ala Gly Gly Ala	<u>(SEQ ID NO. 23)</u>		
115	120		

Noncrystalline portions:

Ala Gly Ala Ala Ala Gly Ala Ala Ala Gly Ser Ser Ala Arg		
	5	10
Gly Gly	<u>(SEQ ID NO. 24)</u>	
15		
Ser Gly Phe Tyr Glu Thr His Asp Ser Tyr Ser Ser Tyr Gly		
	5	10
Ser Gly Ser Ser Ser Ala Ala Ala Ala Ser Ser Gly Ala Gly		
15	20	25
Gly Ala Gly Gly Gly Tyr Gly Trp Gly Asp Gly Gly Tyr Gly		
30	35	40
Ser Asp Ser	<u>(SEQ ID NO. 25)</u>	
45		

Gly Ser Gly Ala Gly Gly Arg Gly Asp Gly Gly Tyr Gly Ser		
	5	10

Gly Ser Ser (SEQ ID NO. 26)

15

Arg Arg Ala Gly His Asp His Ala Ala Gly Ser Ser Gly Gly

5

10

Gly Tyr Ser Trp Asp Tyr Ser Ser Tyr Gly Ser Glu Ser (SEQ ID NO. 27)

15

20

25

Gly Ser Gly Ala Gly Gly Val Gly Gly Gly Tyr Gly Gly Gly

5

10

Asp Gly Gly Tyr Gly Ser Gly Ser Ser (SEQ ID NO. 28)

15

20

Arg Arg Ala Gly His Asp Arg Ala Ala Gly Ser (SEQ ID NO. 29)

5

10

Ser Gly Ala Gly Gly Ser Gly Gly Gly Tyr Gly Trp Gly Asp

5

10

Gly Gly Tyr Gly Ser Asp Ser (SEQ ID NO. 30)

15

20

Gly Ser Gly Ala Gly Arg Ala Gly (SEQ ID NO. 31)

5

Gly Asp Tyr Gly Trp Gly Asp Gly Gly Tyr Gly Ser Asp Ser (SEQ ID NO. 32)

5

10

Arg Gln Ala Gly His Glu Arg Ala Ala Gly Ser (SEQ ID NO. 33)

5

10

Ser Gly Ala Gly Gly Ser Gly Arg Gly Tyr Gly Trp Gly Asp

5

10

Gly Gly Tyr Gly Ser Asp Ser (SEQ ID NO. 34)

15

20

Gly Ser Gly Ala Gly Gly Ala Gly Gly Asp Tyr Gly Trp Gly
5 10

| Asp Gly Gly Tyr Gly Ser Asp (SEQ ID NO. 35)

15 20

Gly Ser Gly Ala Gly Gly Ala Gly Gly Asp Tyr Gly Trp Gly
5 10

| Asp Gly Gly Tyr Gly Ser Asp Ser (SEQ ID NO. 36)

15 20

Ser Gly Ala Gly Gly Ala Gly Gly Gly Tyr Gly Trp Gly Asp
5 10

| Gly Gly Tyr Gly Ser Asp Ser (SEQ ID NO. 37)

15 20

Ser Gly Ala Gly Gly Ala Gly Gly Tyr Gly Gly Tyr Gly Ser
5 10

| Asp Ser (SEQ ID NO. 38)

15

Ser Gly Ala Gly Gly Ser Gly Gly Gly Tyr Gly Trp Gly Asp
5 10

| Gly Gly Tyr Gly Ser Gly Ser (SEQ ID NO. 39)

15 20

Gly Ser Gly Ala Gly Gly Val Gly Gly Gly Tyr Gly Trp Gly
5 10

| Asp Gly Gly Tyr Gly Ser Asp Ser (SEQ ID NO. 40)

15 20

Ser Gly Ala Gly Gly Arg Gly Asp Gly Gly Tyr Gly Ser Gly
5 10

| Ser Ser (SEQ ID NO. 41)

15

Gly Ser Gly Ala Gly Gly Ala Gly Gly Gly Tyr Gly Trp Gly
5 10

| Asp Gly Gly Tyr Gly Ser Asp Ser (SEQ ID NO. 42)
15 20

| Arg Arg Ala Gly His Asp Arg Ala Ala Gly Cys (SEQ ID NO. 43)
5 10

Ser Gly Ala Gly Gly Thr Gly Gly Gly Tyr Gly Trp Gly Asp
5 10

| Gly Gly Tyr Gly Ser Asp Ser (SEQ ID NO. 44)
15 20

Ser Gly Ala Gly Gly Ser Gly Gly Gly Tyr Gly Trp Gly Asp
5 10

| Gly Gly Tyr Gly Ser Asn Ser (SEQ ID NO. 45)
15 20

Ser Gly Ala Gly Arg Ser Gly Gly Gly Tyr Gly Trp Gly Asp
5 10

| Gly Gly Tyr Ser Ser Asp Ser (SEQ ID NO. 46)
15 20

Ser Gly Ala Gly Gly Ser Gly Gly Tyr Gly Gly Tyr Gly Ser
5 10

| Asp Ser (SEQ ID NO. 47)
15

Gly Ser Gly Ala Gly Gly Val Gly Gly Gly Tyr Gly Trp Gly
5 10

| Asp Gly Gly Tyr Gly Gly Tyr Gly Ser Asp Ser (SEQ ID NO. 48)
15 20 25

Gly Ser Gly Ala Gly Gly Val Gly Gly Gly Tyr Gly Arg Gly
5 10

| Asp Ser Gly Tyr Gly Ser Gly Ser Ser (SEQ ID NO. 49)

15 20

| Gly His Gly Arg Ser Ser Gly Ser (SEQ ID NO. 50)

5

| Ser Gly Ala ~~Gyl~~Gly Gly Ser Gly Gly Gly Tyr Gly Trp Asp Tyr

5

10

| Gly Ser Tyr Gly Ser Asp Ser (SEQ ID NO. 51)

15

20

Ser Ser Gly Ala Gly Gly Ser Gly Gly Gly Tyr Gly Trp Asp

5

10

| Tyr Gly Gly Tyr Gly Ser Asp Ser (SEQ ID NO. 52)

15

20

Gly Ser Gly Ala Gly Gly Ser Gly Gly Gly Tyr Gly Trp Gly

5

10

| Asp Gly Gly Tyr Gly Ser Asp Ser (SEQ ID NO. 53)

15

20

| Ser Arg Arg Ala Gly His Asp Arg Ala ~~Tyr~~Tyr Gly Ala Gly Ser
(SEQ ID NO. 54)

5

10

Gly Ala Gly Ala Ser Arg Pro Val Gly Ile Tyr Gly Thr Asp

5

10

| Asp Gly Phe Val Leu Asp Gly Gly Tyr Asp Ser Glu Gly Ser (SEQ
ID NO. 55)

15

20

25

C-terminal portion:

Ser Ser Ser Gly Arg Ser Thr Glu Gly His Pro Leu Leu Ser

5

10

Ile Cys Cys Arg Pro Cys Ser His Arg His Ser Tyr Glu Ala

15

20

25

Ser Arg Ile Ser Val His (SEQ ID NO. 56)

30

Please replace the paragraphs beginning at page 36, line 1, of the clean copy of the substitute specification with the following rewritten paragraphs:

A-6-2 Val Ile Thr Thr Asp Ser Asp Gly Asn Glu (SEQ ID NO. 1)

5

10

A-6-6 Asn Ile Asn Asp Phe Asp Glu Asp (SEQ ID NO. 2)

5

SfHe Ala Ala Ser Ser Val Ser Ser Ala Ser Ser

5

10

Arg Ser Tyr Asp Tyr Ser Arg Arg Asn Val

15

20

Arg Lys Asn (SEQ ID NO. 3)

SfHA Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala

5

10

His Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala

15

20

Trp Ser Ser Glu Ser Asp Phe Gly Thr (SEQ ID NO. 4)

25

AfH1 Tyr Gly Trp Gly Asp Gly Gly Tyr Gly Ser

5

10

Asp Ser (SEQ ID NO. 5)

AfH5 Asp Glu Tyr Val Asp Asn (SEQ ID NO. 6)

5

AfH6 Val Glu Thr Ile Val Leu Glu Glu Asp Pro

5

10

Tyr Gly His Glu Asp Ile Tyr Glu Glu Asp (SEQ ID NO. 7)

15

20

AfH7 Asp Asp Gly Phe Val Leu Asp Gly Gly Tyr

5

10

Asp Ser Glu (SEQ ID NO. 8)

Please replace the paragraph beginning at page 38, line 8, of the clean copy of the substitute specification with the following rewritten paragraph:

Thus, Asp Ser Asp Gly Asp Glu (SEQ ID NO. 70) from A-6-2, Asp Glu Asp Glu Asp Glu (SEQ ID NO. 71) and Glu Asp Glu Asp Glu Asp (SEQ ID NO. 72) from A-6-6, Ser Ser Glu Ser Ser Glu (SEQ ID NO. 73) and Tyr Gly Gly Tyr Glu Tyr (SEQ ID NO. 74) from SfHA, Asp Gly Gly Tyr Gly Gly Asp (SEQ ID NO. 75) from AfH 1, Asp Glu Tyr Asp Glu Tyr (SEQ ID NO. 76) from AfHS, Tyr Glu Glu Asp Tyr Glu Glu Asp (SEQ ID NO. 77) from AfHG, and the like, and further many more peptides such as Glu Glu Glu Glu (SEQ ID NO. 78), Glu Glu Glu Glu Glu Glu (SEQ ID NO. 79), Glu Tyr Glu Tyr Glu Tyr (SEQ ID NO. 80), Glu Glu Tyr Glu Glu Tyr (SEQ ID NO. 81), Tyr Tyr Tyr Tyr Tyr Tyr (SEQ ID NO. 82), Glu Gly Ser Glu Gly Ser (SEQ ID NO. 83) may become SDFGP.

Please replace the paragraph beginning at page 43, line 16, of the clean copy of the substitute specification with the following rewritten paragraph:

Subsequently, the amino acid sequences of A-6-2 and A-6-6 were analyzed on LF3000 Protein Sequencer of BI Technologies Japan Ltd., and their amino acid sequences were found to be as follows:

A-6-2 Val Ile Thr Thr Asp Ser Asp Gly Asn Glu (SEQ ID NO. 1)

5

10

A-6-6 Asn Ile Asn Asp Phe Asp Glu Asp (SEQ ID NO. 2)

5

Please replace the paragraphs beginning at page 44, line 32, of the clean copy of the substitute specification with the following rewritten paragraphs:

Partial peptides from fibroin H-chain of domesticated silkworm (4 kinds)

SfHC-1 Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala

5

10

Gly Ser Gly Ala Gly Ala Gly Tyr Gly Ala

15

20

Gly Tyr (SEQ ID NO. 57)

SfHC-2 Gly Ala Gly Ala Gly Ser Gly Ala Ala Ser

5

10

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala

15

20

Gly Thr (SEQ ID NO. 58)

SfHE Ala Ala Ser Ser Val Ser Ser Ala Ser Ser

5

10

Arg Ser Tyr Asp Tyr Ser Arg Arg Asn Val

15

20

Arg Lys Asn (SEQ ID NO. 59)

SfHA Gly Ser Ser Gly Phe Gly Pro Tyr Val Ala

5

10

His Gly Gly Tyr Ser Gly Tyr Glu Tyr Ala

15

20

Trp Ser Ser Glu Ser Asp Phe Gly Thr (SEQ ID NO. 60)

25

5 . 10

5 10

5 10

15

5 10

15

5 10

5

5 10

15 20

5 10

Asp Ser Glu (SEQ ID NO. 68)

Please replace the paragraph containing Table 7 on page 56 of the clean copy of the substitute specification with the following rewritten paragraph containing Table 7:

Table 7

Cell growth activity of synthetic peptides

Amino acid or amino acid sequence of peptides	Cell growth rate (%)
Glu	69
Glu Glu	159
Glu Glu Glu Glu <u>(SEQ ID NO. 78)</u>	231
Glu Glu Glu Glu Glu Glu <u>(SEQ ID NO. 79)</u>	346
Glu Glu Glu Glu Glu Glu Glu Glu <u>(SEQ ID NO. 84)</u>	254
Tyr Tyr	113
Tyr Tyr Tyr Tyr <u>(SEQ ID NO. 85)</u>	156
Tyr Tyr Tyr Tyr Tyr Tyr <u>(SEQ ID NO. 82)</u>	239
Asp Glu Asp Glu Asp Glu <u>(SEQ ID NO. 71)</u>	322
Glu Tyr Glu Tyr Glu Tyr <u>(SEQ ID NO. 80)</u>	207
Glu Glu Tyr Glu Glu Tyr <u>(SEQ ID NO. 81)</u>	212

Please replace the paragraph containing Table 8 on page 57 of the clean copy of the substitute specification with the following rewritten paragraph containing Table 8:

Table 8

Adhesion after 5 hour-culture of human skin fibroblasts in dishes coated with each peptide

Synthetic peptide	Adhesion rate (%)
SfHC-1	130
SfHC-2	138
SfHA	205
SfHE	190
AfH0	131
AfH1	169
AfH2	149
AfH3	174
AfH4	151
AfH5	234
AfH6	135
AfH7	153
Asp Glu Asp Glu Asp Glu (SEQ ID NO. 71)	229